

PATENT ABSTRACTS OF JAPAN

2002-277685

(11)Publication number :

25.09.2002

(43)Date of publication of application :

(51)Int.CI.

G02B 6/38

G02B 6/02

G02B 6/10

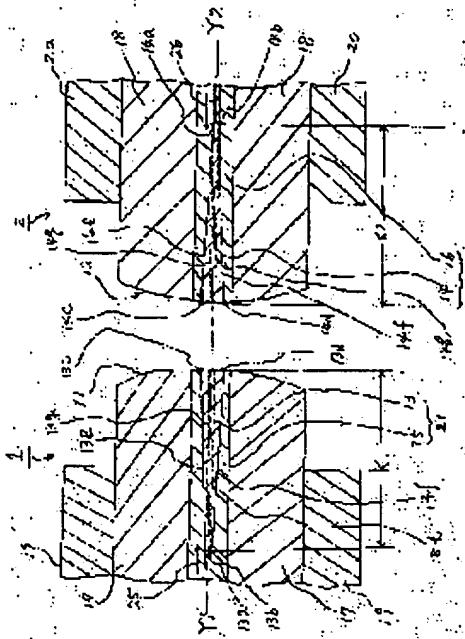
(21)Application number : 2001-078724 (71)Applicant : OYOKODEN LAB CO

LTD

KIKUCHI KAZURO

(22)Date of filing : 19.03.2001 (72)Inventor : MOGI TETSUYA

(54) OPTICAL FIBER CONNECTING METHOD



(57) Abstract:

PROBLEM TO BE SOLVED: To solve such a conventional problem of an optical fiber connecting method using an optical connector holding optical fibers, that the method is unusable for a laser light source of a watt class output because of disconnection due to a burning or a fiber fuse phenomenon although the method has been applicable to the laser beam transmission of an ordinary power.

SOLUTION: A core expanding fiber is used at the end of an optical connector on both sides to be connected, thereby enabling a laser beam of one watt or above

to be transmitted by means of the optical connector. It can surely bring good results by selecting conditions of connector end faces or core expanding areas.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]